National Institute of Environmental Health Sciences

Linking health and productivity impacts to climate policy costs: A general equilibrium analysis

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Abstract:

Much of the debate on global climate change has focused on direct costs of mitigation. Recently this debate has included the issue of ancillary benefits. The present analysis incorporates a linkage between air pollution and ancillary health benefits into a general equilibrium model applied to Sweden. Direct disutility and indirect health effects are modelled using concentration-response and contingent valuation data. Health benefits are compared in three scenarios for attaining the Swedish carbon dioxide target with alternative projected and harmful emission levels. Results show that the costs of climate policy could be overstated when not accounting for ancillary health benefits.

Source: Ask your librarian to help locate this item.

Resource Description

Climate Scenario :

specification of climate scenario (set of assumptions about future states related to climate)

Other Climate Scenario

Other Climate Scenario: author derived scenarios

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Unspecified Exposure

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Non-United States

Non-United States: Europe

European Region/Country: European Country

Other European Country : Sweden

Health Co-Benefit/Co–Harm (Adaption/Mitigation): ☑

specification of beneficial or harmful impacts to health resulting from efforts to reduce or cope with greenhouse gases

A focus of content

Health Impact: ☑

specification of health effect or disease related to climate change exposure

General Health Impact

Mitigation/Adaptation: ☑

mitigation or adaptation strategy is a focus of resource

Mitigation

Model/Methodology: ☑

type of model used or methodology development is a focus of resource

Cost/Economic

Resource Type: ☑

format or standard characteristic of resource

Policy/Opinion, Research Article, Research Article

Timescale: ☑

time period studied

Short-Term (